

Abstract of the Disclosure

The present invention relates to MDK1 polypeptides, nucleic acids encoding such polypeptides, cells, tissues and animals containing such nucleic acids, antibodies to such polypeptides, assays utilizing  
5 such polypeptides, and methods relating to all of the foregoing.

Methods for treatment, diagnosis, and screening are provided for diseases or conditions characterized by an abnormality in a signal transduction disorder. The signal transduction pathway involves an  
10 interaction between a MDK1 receptor tyrosine kinase and a receptor for the kinase. The MDK1 receptor tyrosine kinase may be truncated and lack a kinase domain and may  
15 be selected from the group consisting of MDK1.T1, MDK1.T2, MDK1.Δ1 and MDK1.Δ2.